Name:

Date:

Determine if each table below represents a **linear, quadratic**, or **exponential** function.

1)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 |
|  |  |  | 7 | 11 |  | 19 |  |

Choose one: Linear quadratic exponential

How do you know?

Initial value:

Rate of change:

Equation:

2)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 |
| 3 | 4 |  | 12 | 19 |  | 39 |  |

Choose one: Linear quadratic exponential

How do you know?

Initial value:

Rate of change:

Equation:

3)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 |
| 12 |  | 11 |  |  |  | 9 |  |

Choose one: Linear quadratic exponential

How do you know?

Initial value:

Rate of change:

Equation:

4)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 |
| 96 |  |  | 12 | 6 |  |  |  |

Choose one: Linear quadratic exponential

How do you know?

Initial value:

Rate of change:

Equation:

5)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 |
|  |  |  | 5 | 6.25 | 7.8125 |  |  |

Choose one: Linear quadratic exponential

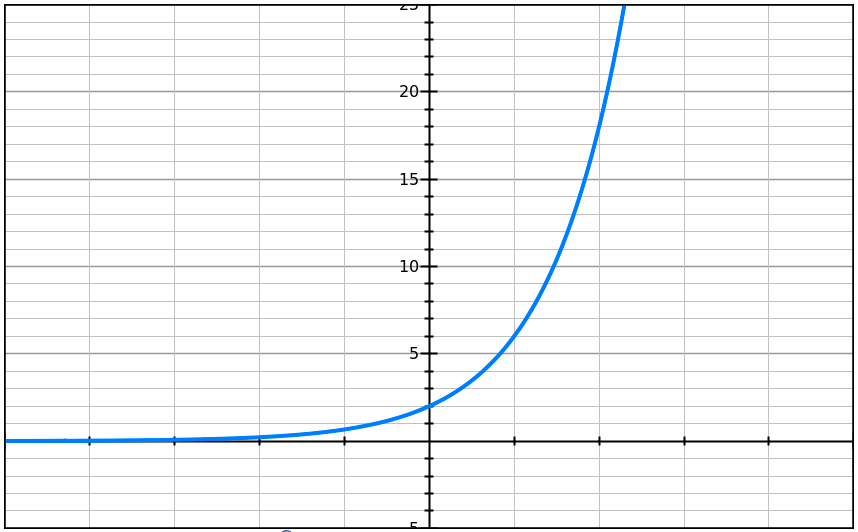
How do you know?

Initial value:

Rate of change:

Equation:

Determine if each graph below represents a **linear, quadratic**, or **exponential** function.

6)

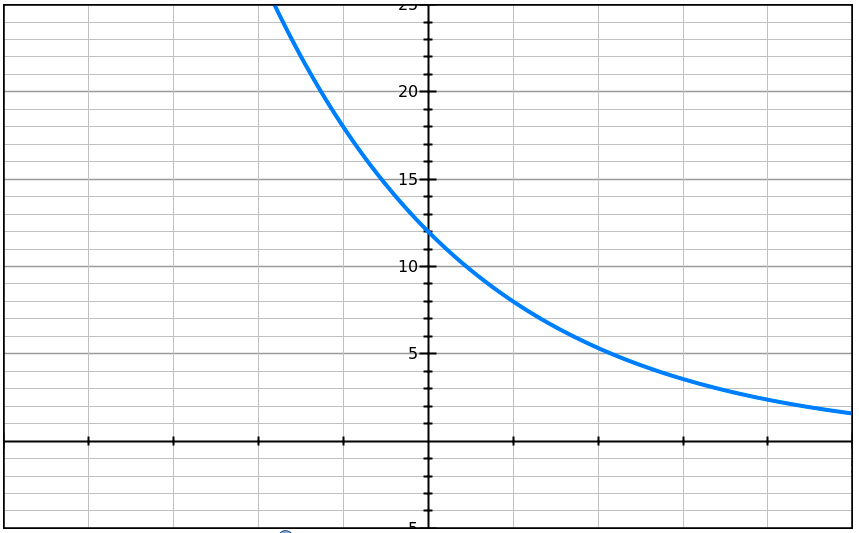
Choose one: Linear quadratic exponential

How do you know?

Initial value:

Rate of change:

Equation:

7) 

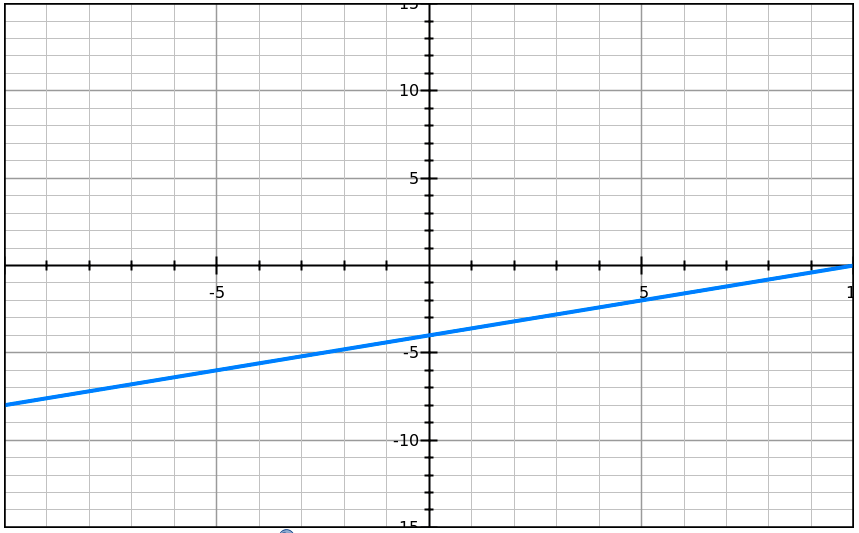
Choose one: Linear quadratic exponential

How do you know?

Initial value:

Rate of change:

Equation:

8) 

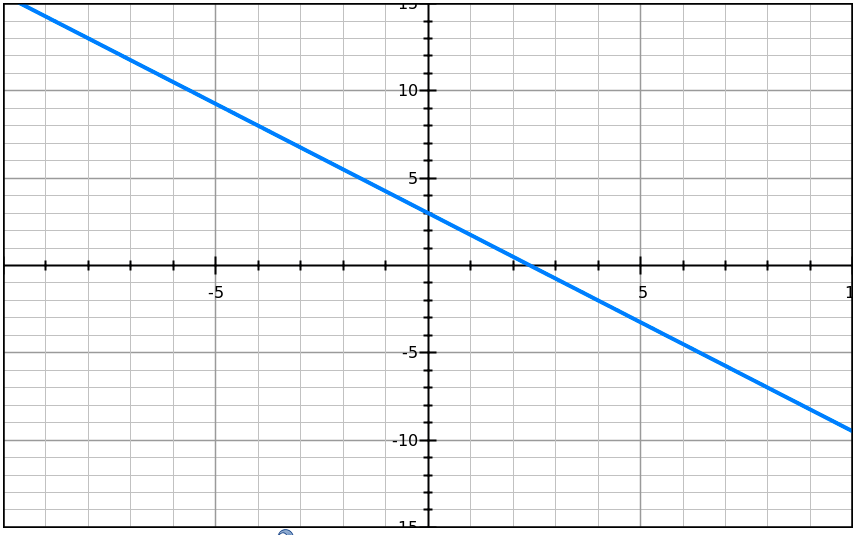
Choose one: Linear quadratic exponential

How do you know?

Initial value:

Rate of change:

Equation:

9) \

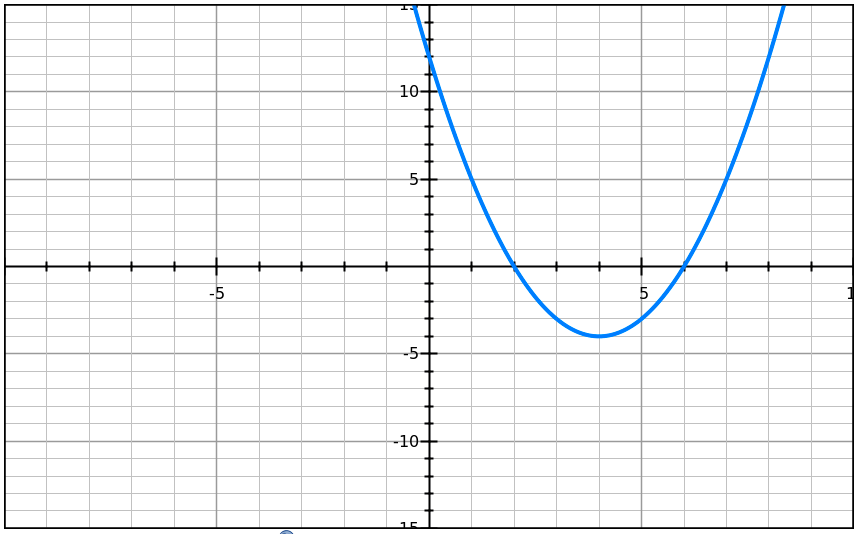
Choose one: Linear quadratic exponential

How do you know?

Initial value:

Rate of change:

Equation:

10) 

Choose one: Linear quadratic exponential

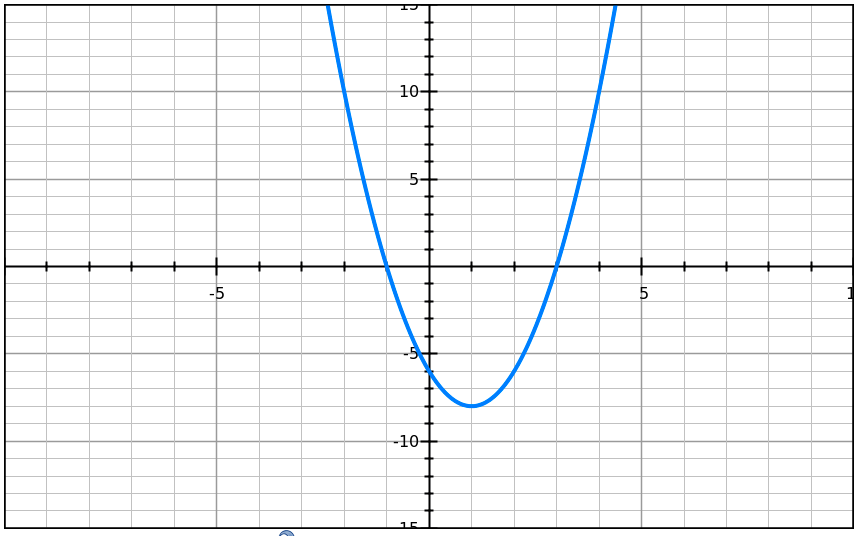
How do you know?

Initial value:

Rate of change:

Equation: Vertex form: Factored form:

Standard form:

11)

Choose one: Linear quadratic exponential

How do you know?

Initial value:

Rate of change:

Equation: Vertex form: Factored form:

Standard form: